

Title: AN ULTRASONIC MOTOR, AND OPERATING APPARATUS, AN OPTICAL APPARATUS  
AND AN ELECTRIC INSTRUMENT  
Inventors: Osamu MIYAZAWA, Yasuharu HASHIMOTO  
Atty. Ref.: 9319A-000704

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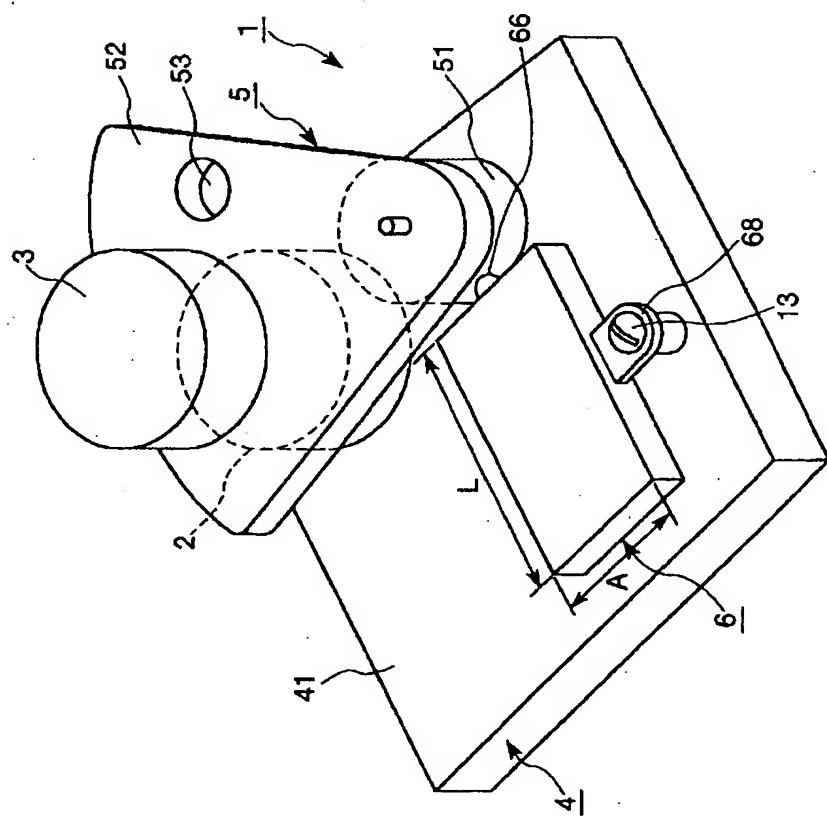


Fig. 1

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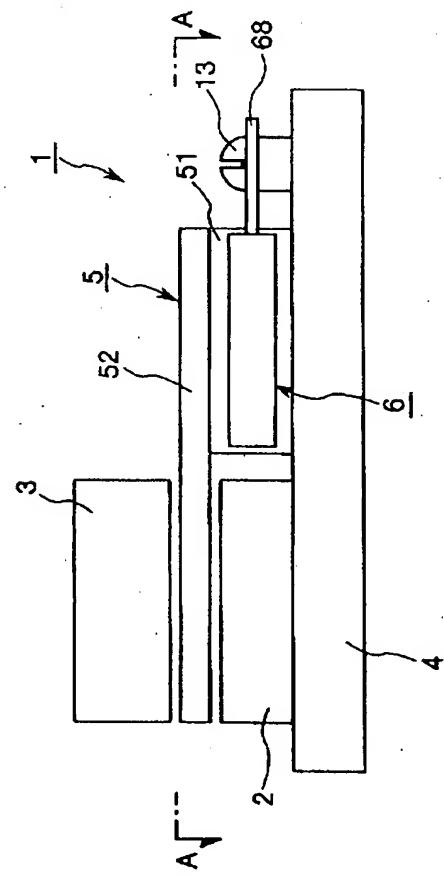


Fig. 2

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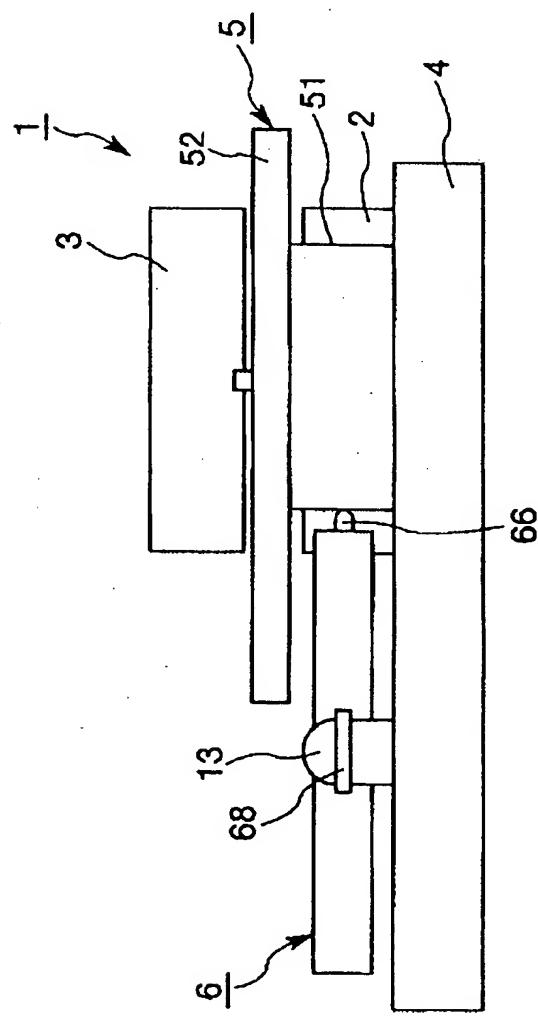


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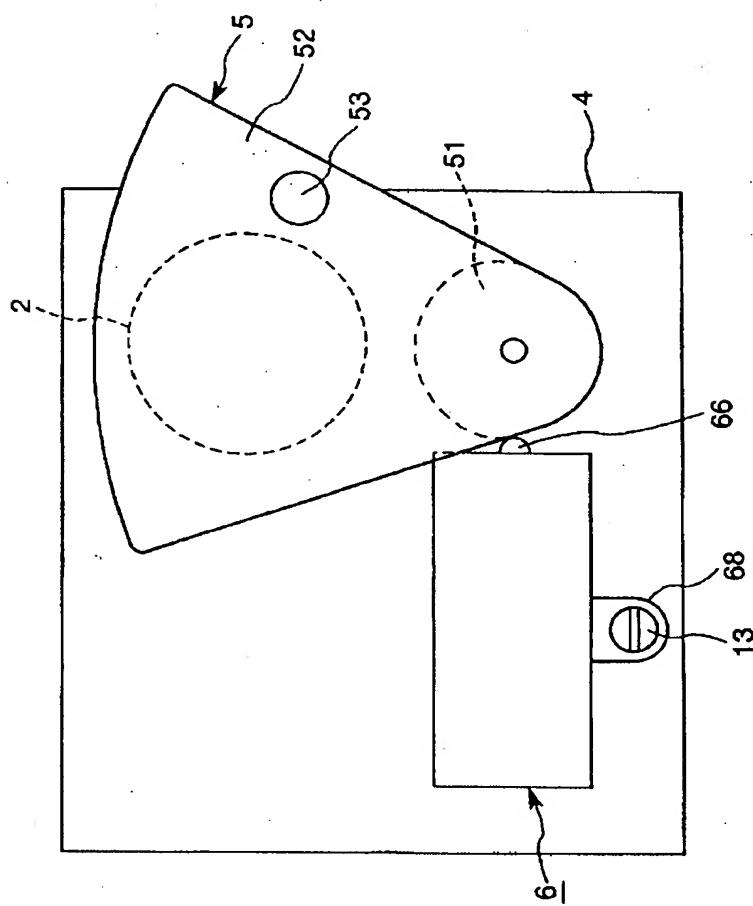


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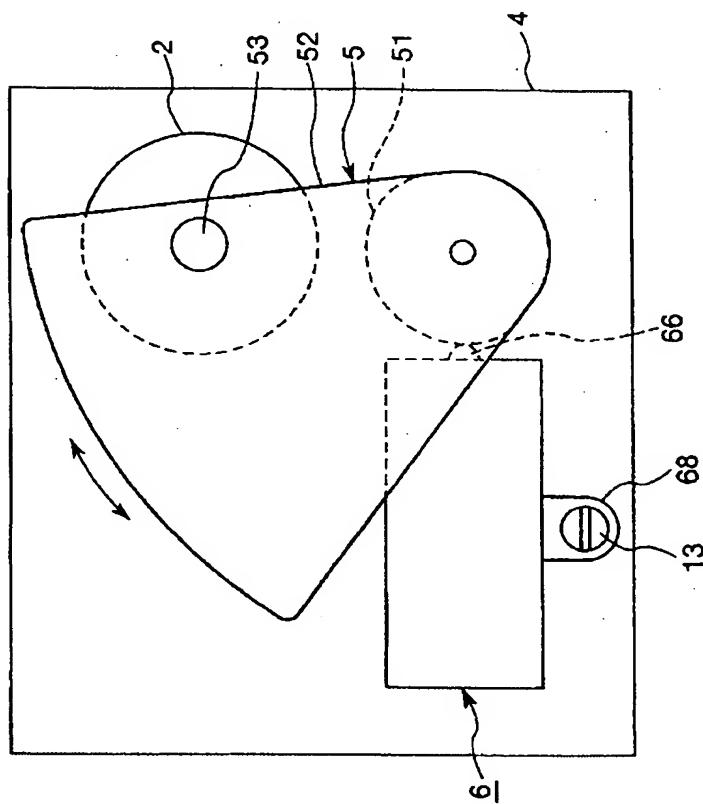


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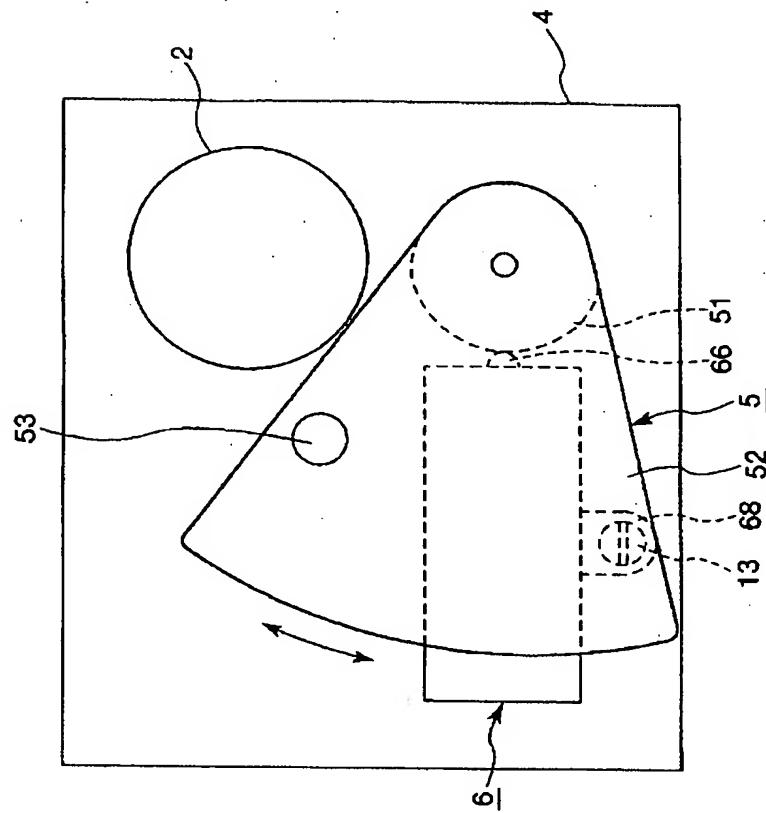


Fig. 6

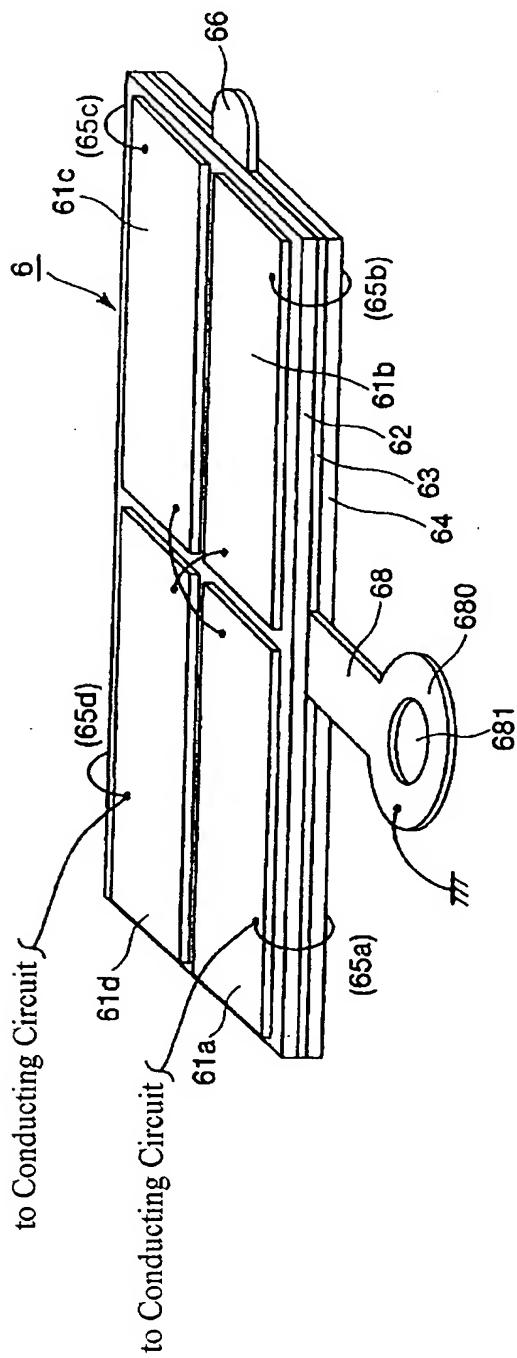


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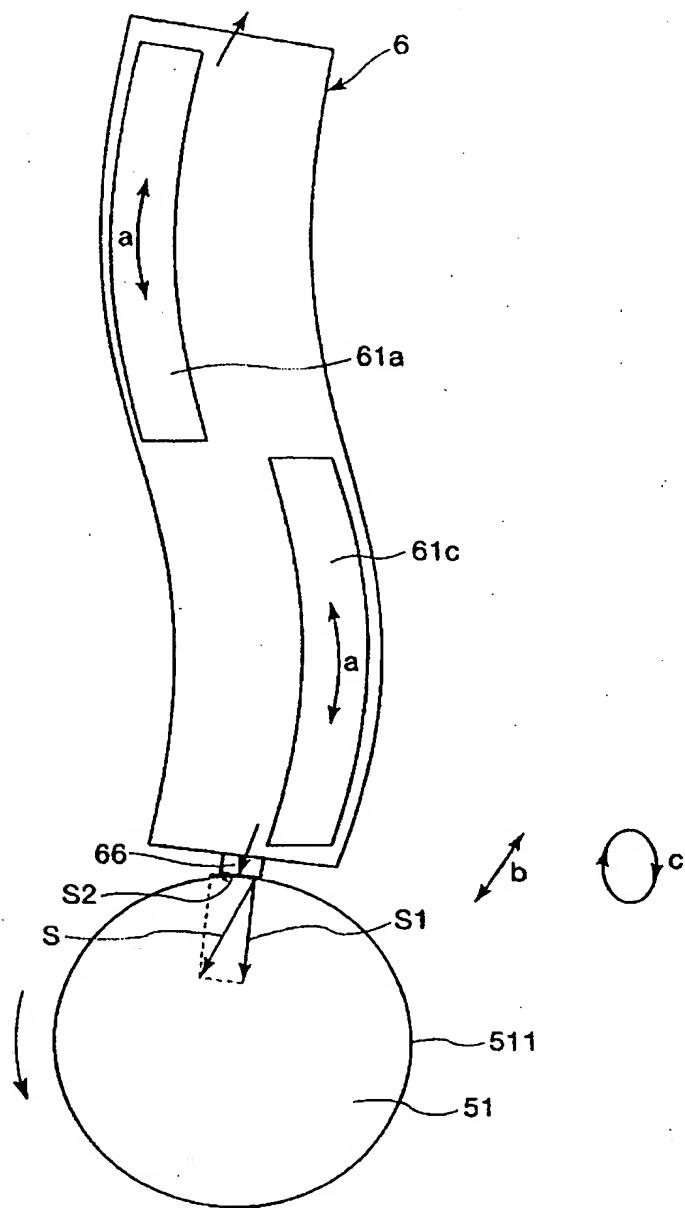


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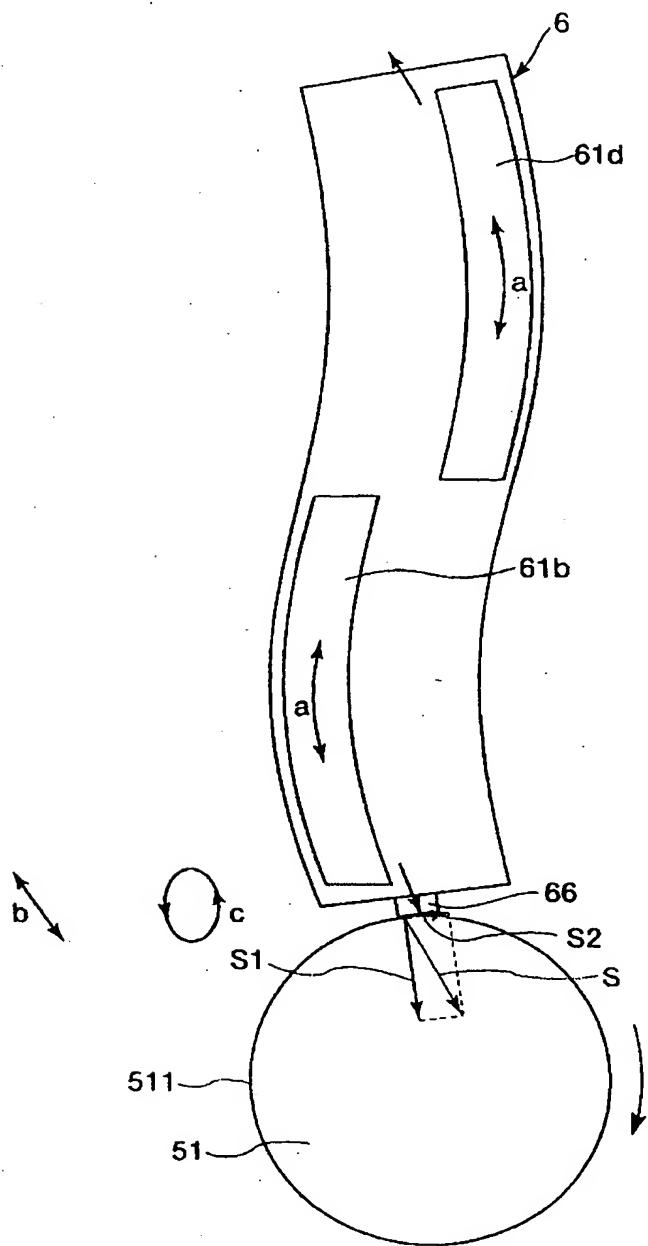


Fig. 9

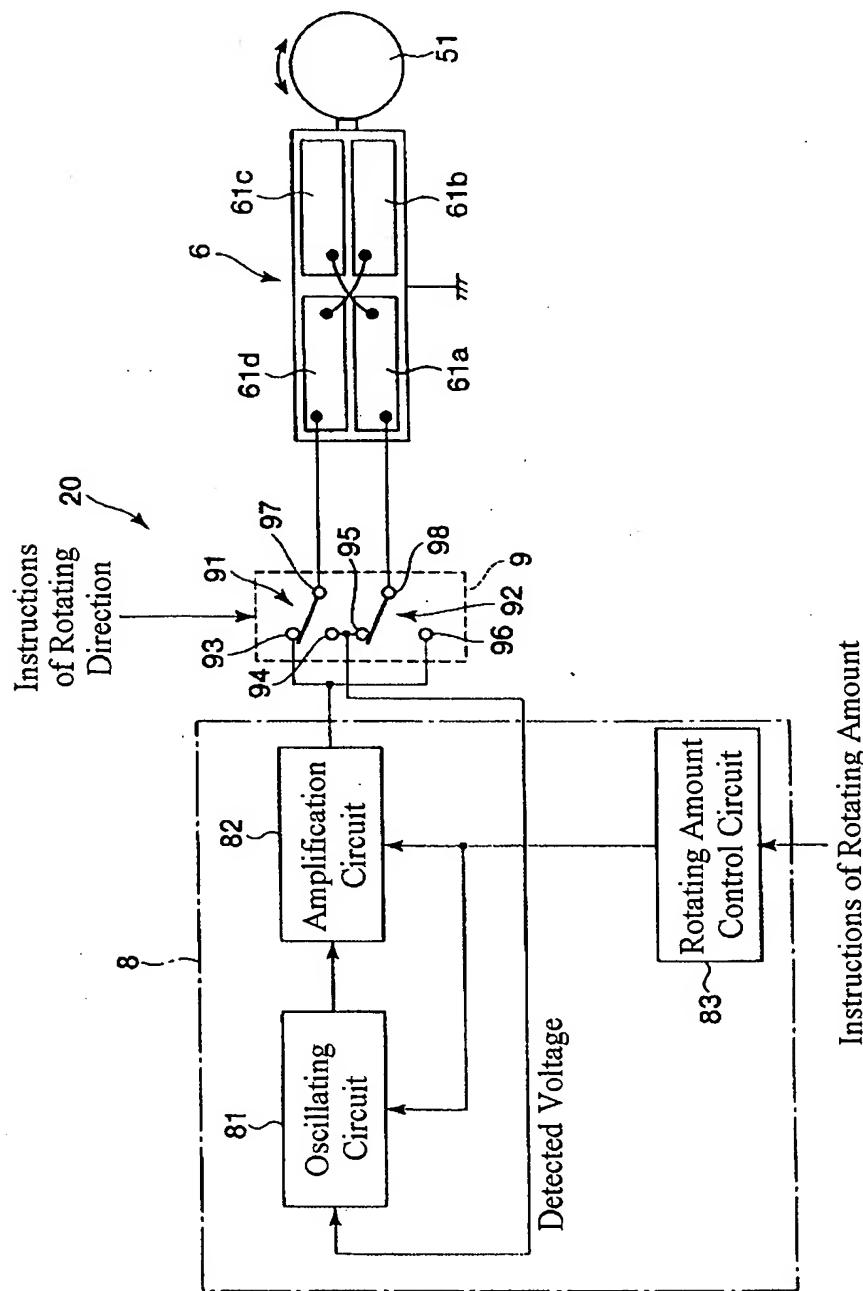


Fig. 10

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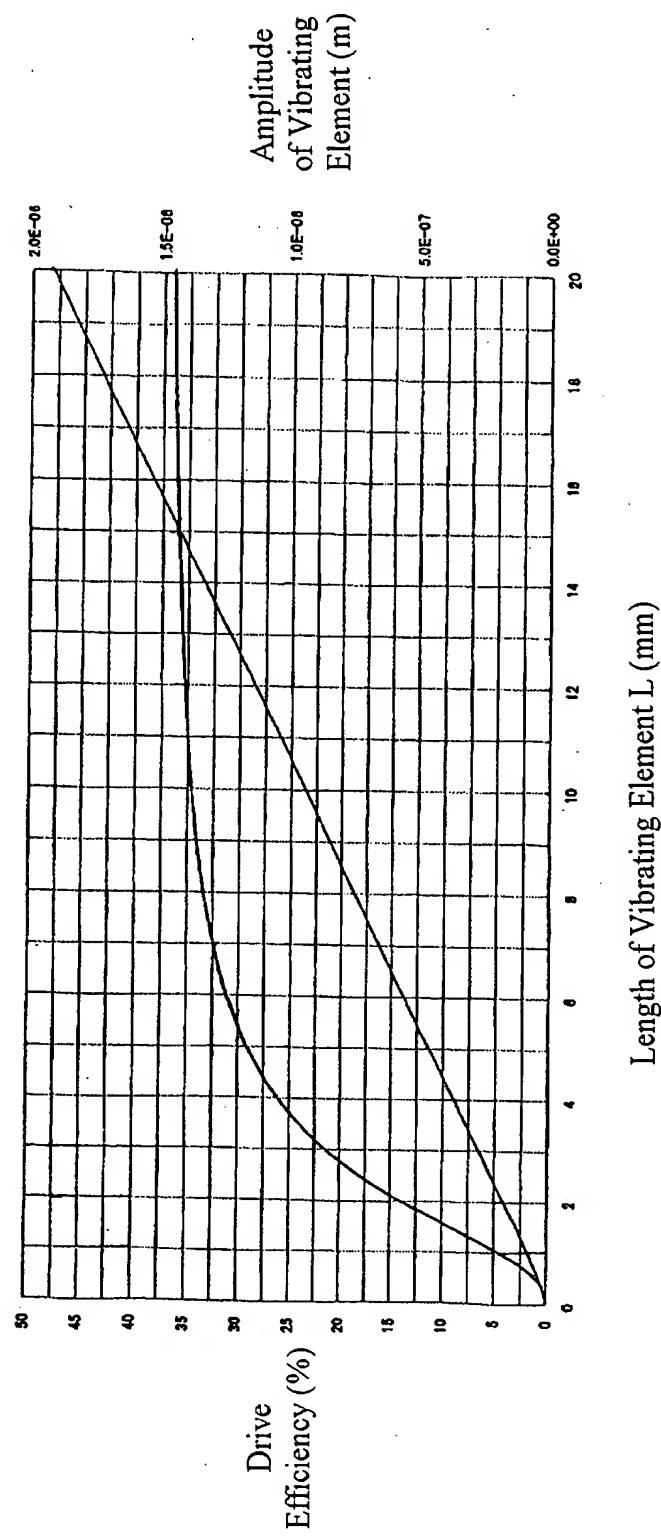


Fig. 11

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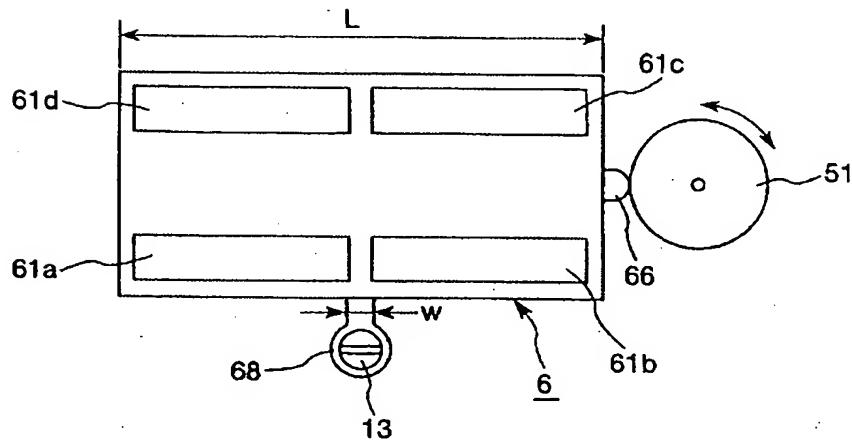
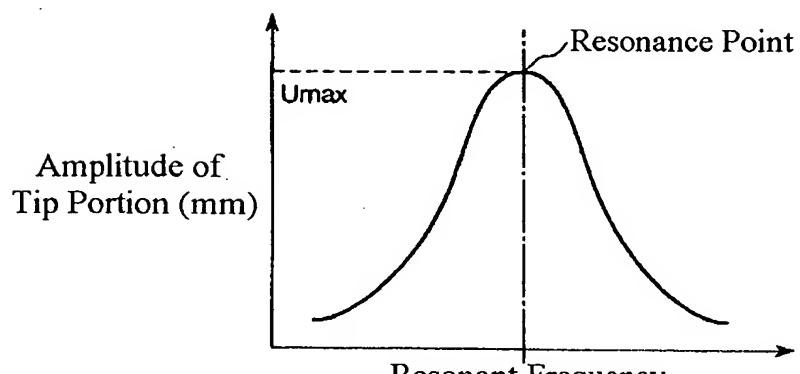


Fig. 12



Driving Frequency (Hz)

Fig. 13

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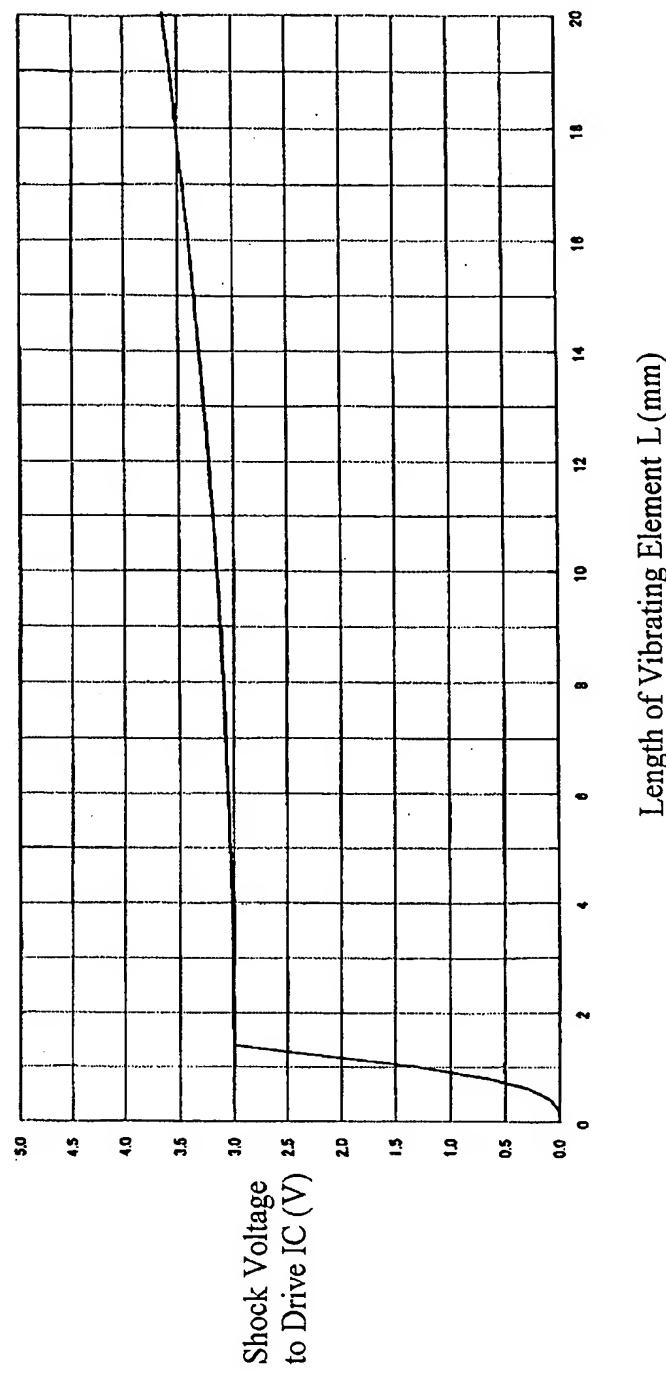


Fig. 14

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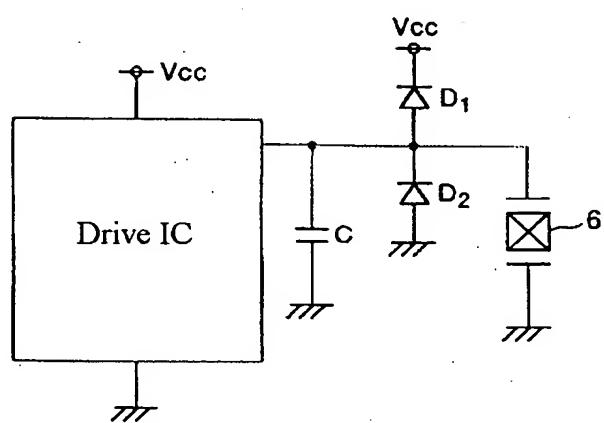


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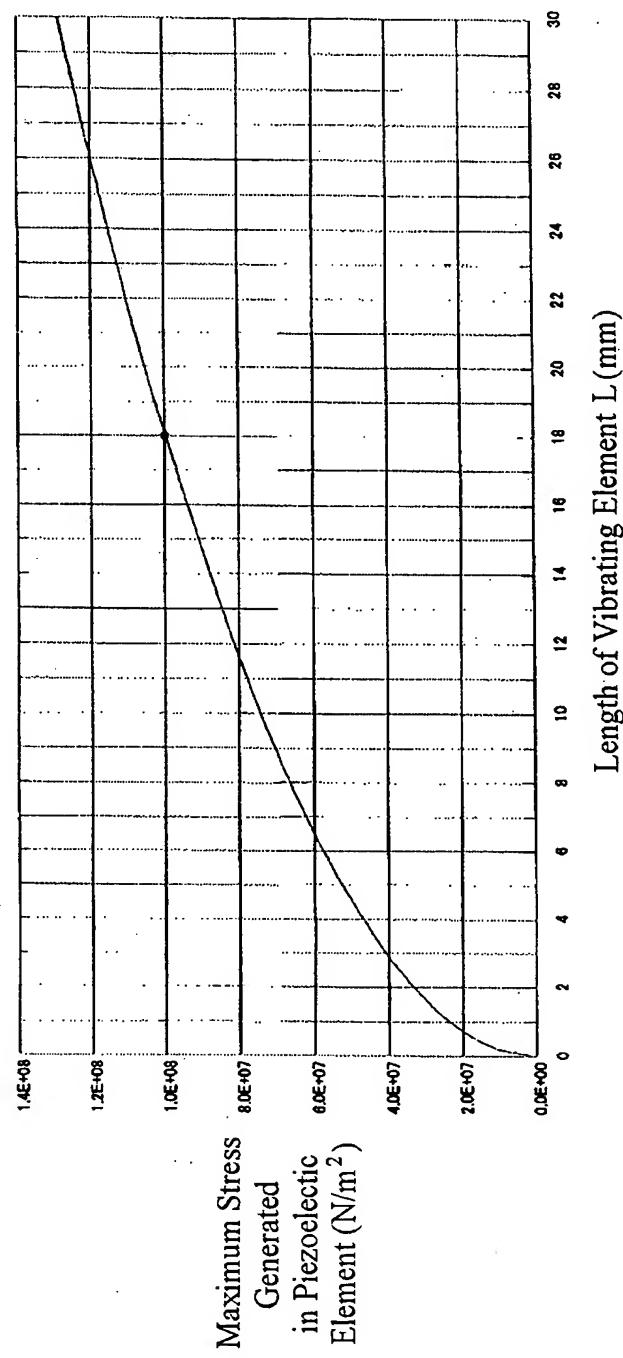


Fig. 16

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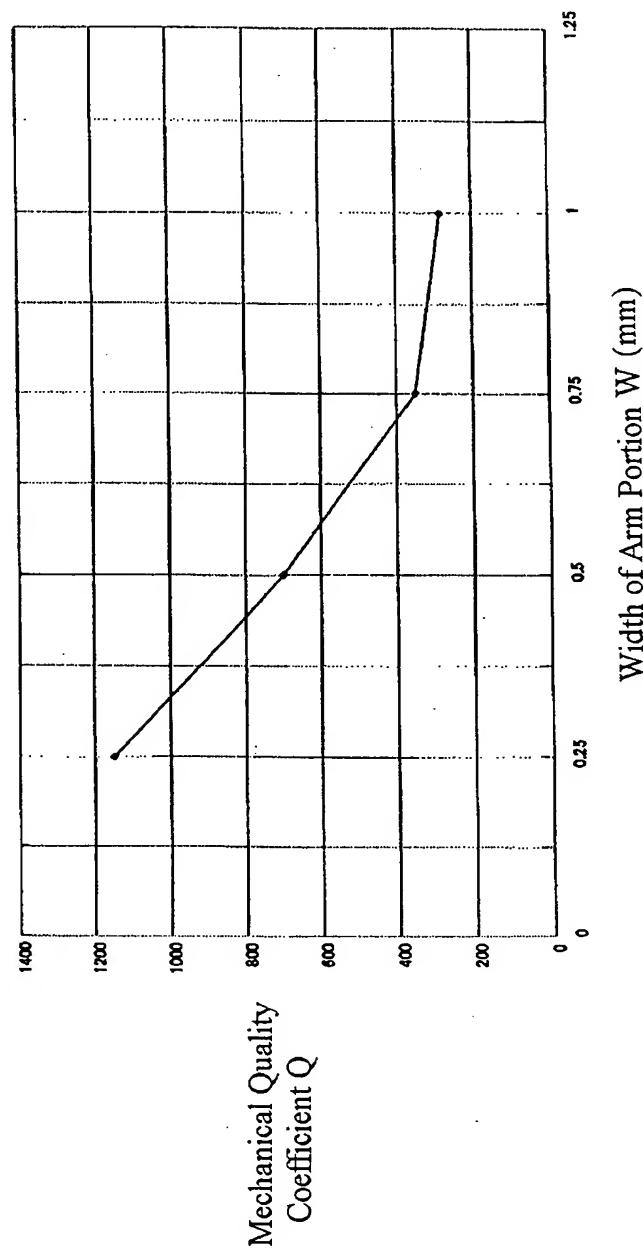


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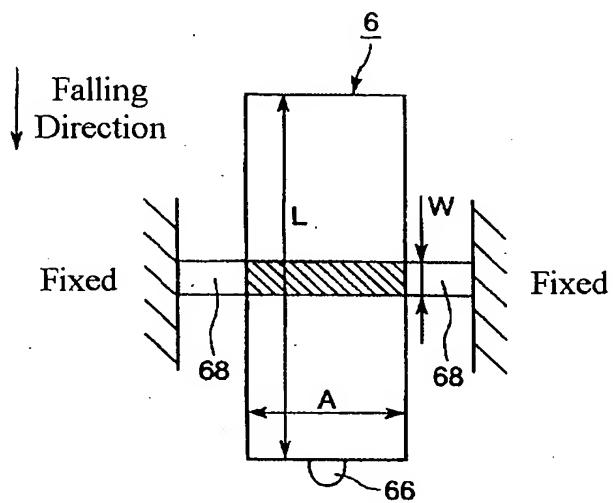


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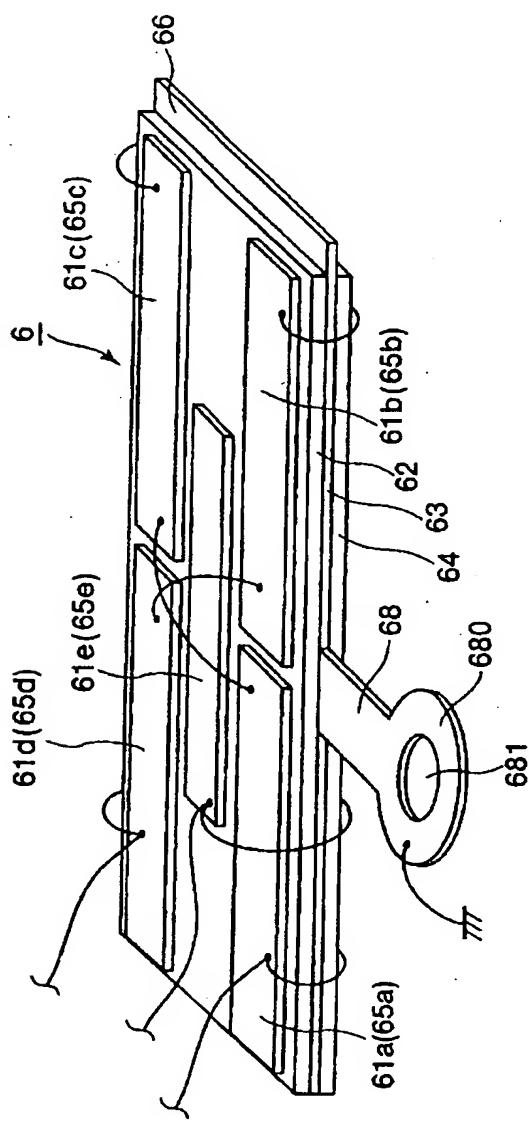


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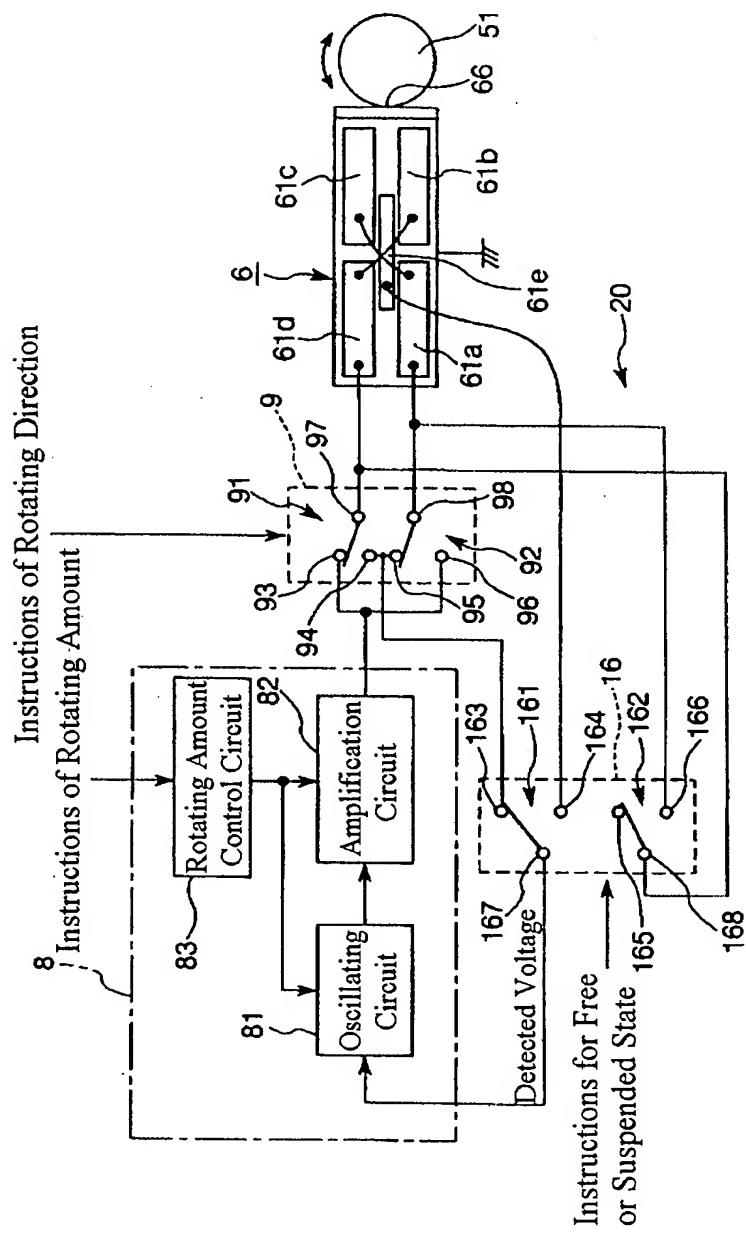


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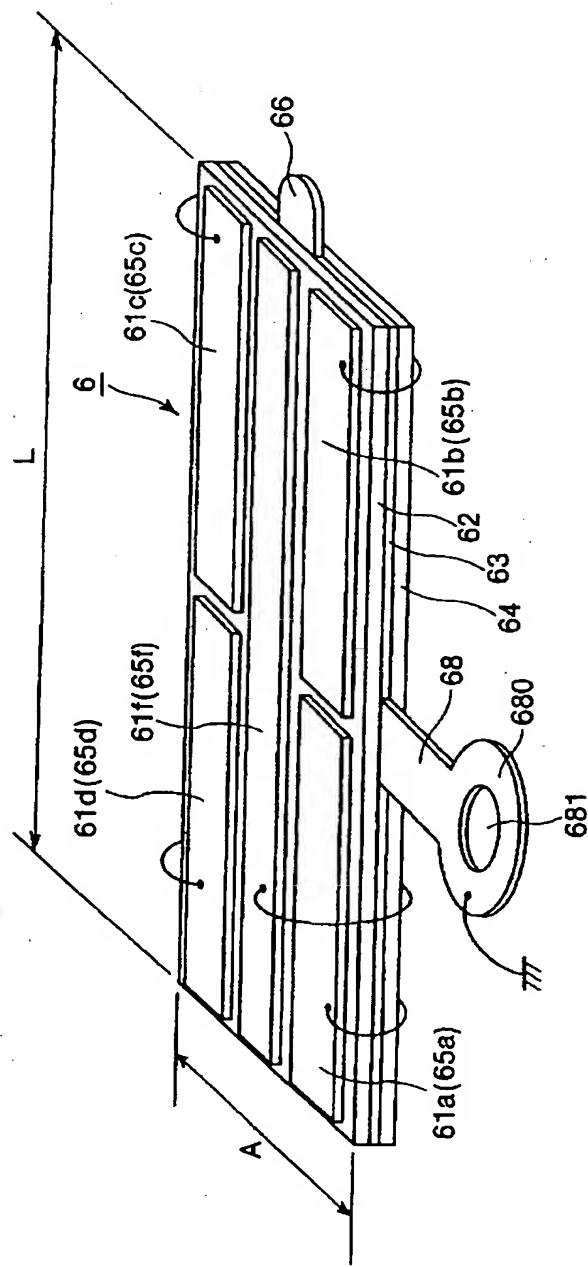


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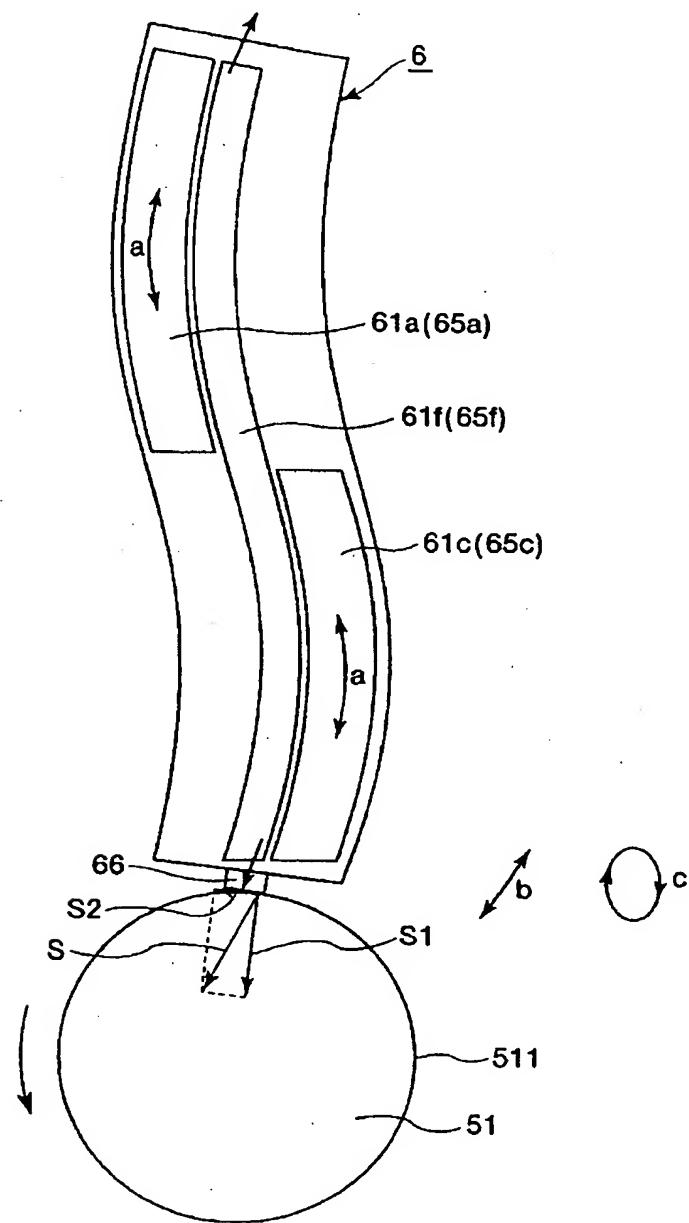


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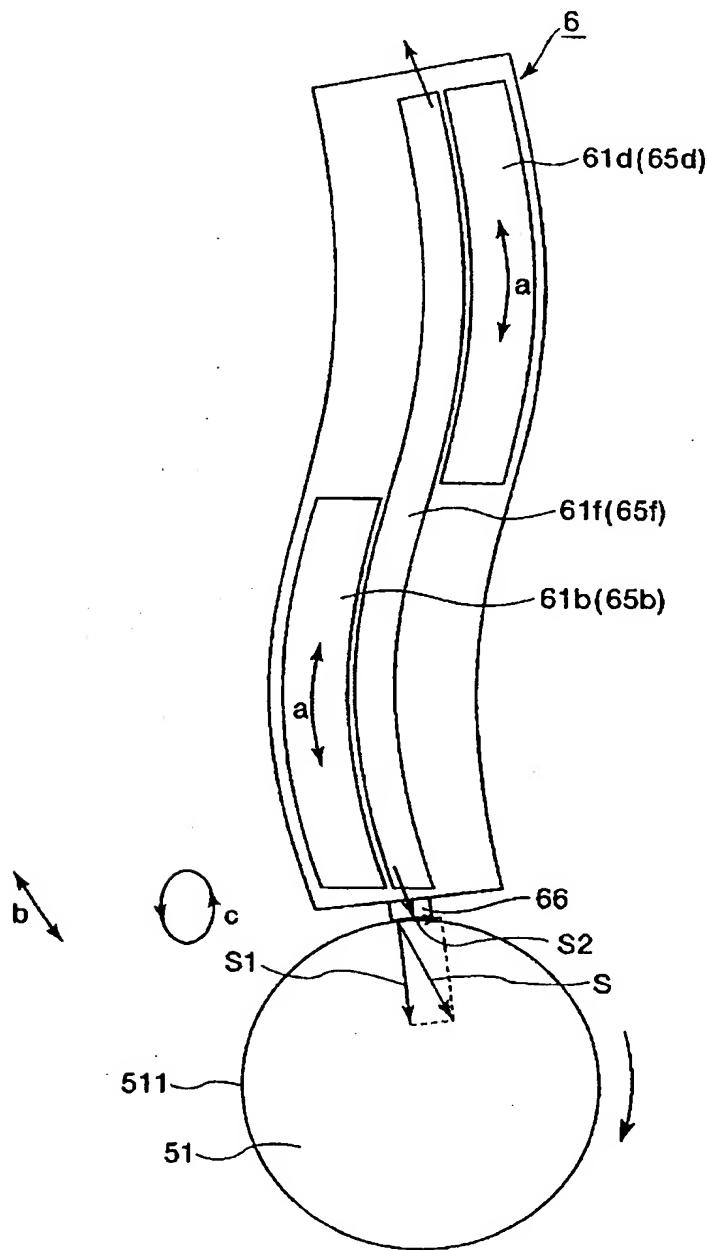


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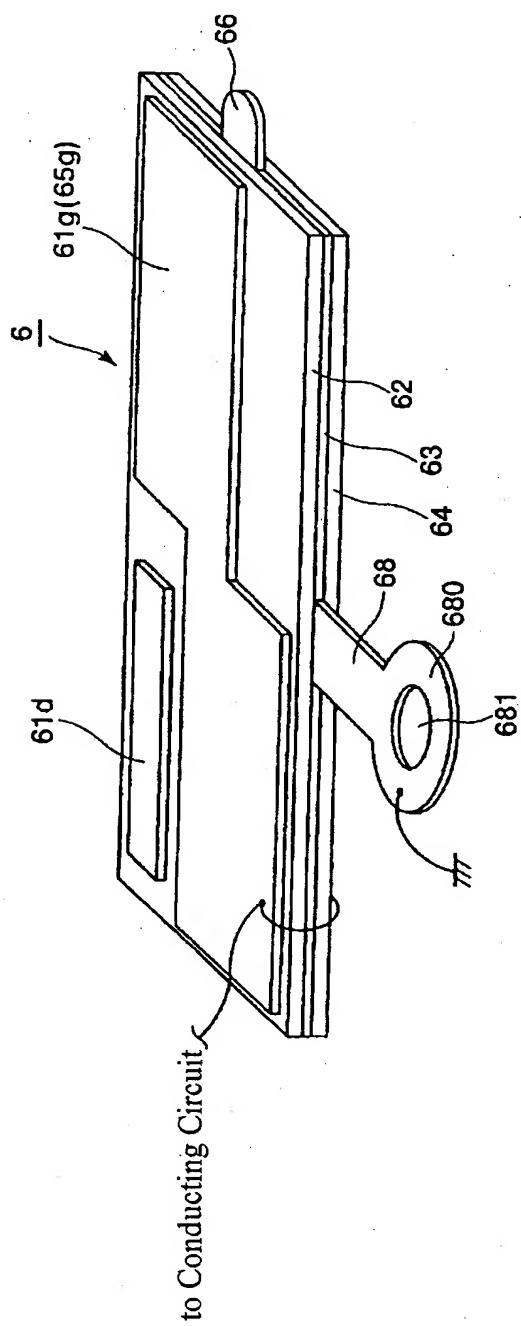


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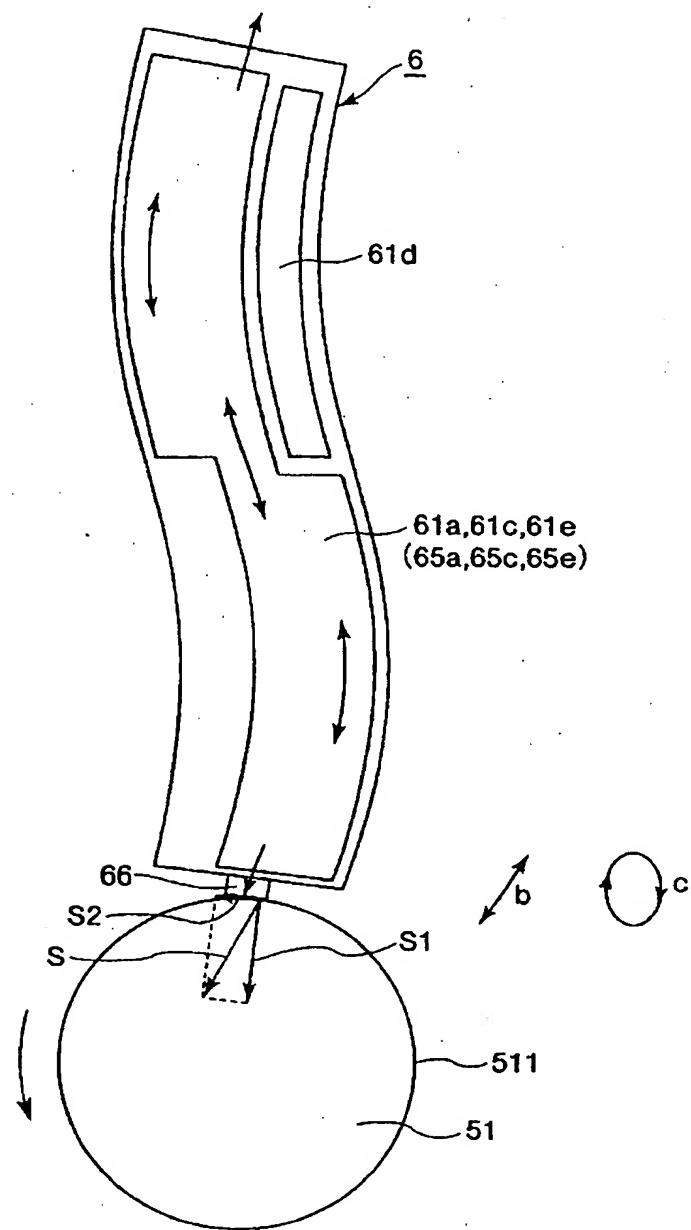


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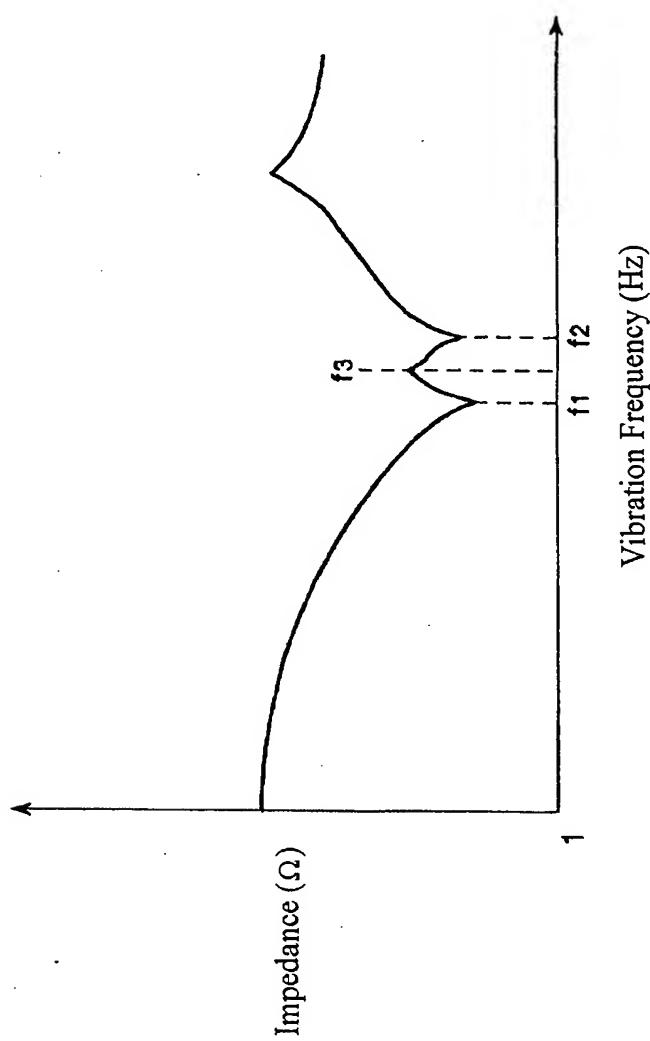


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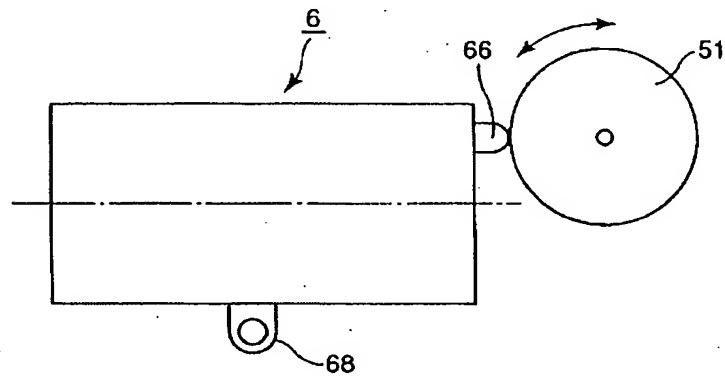


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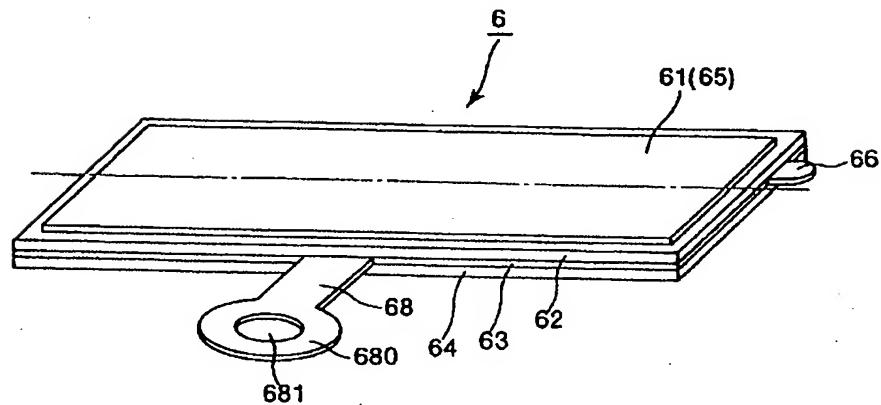


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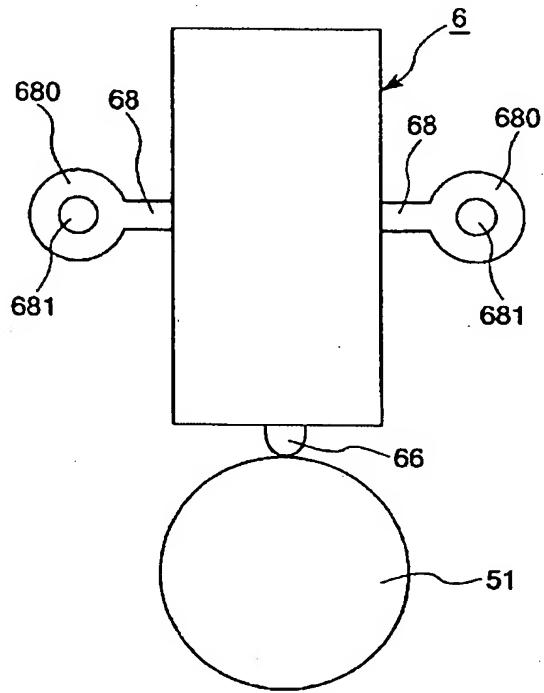


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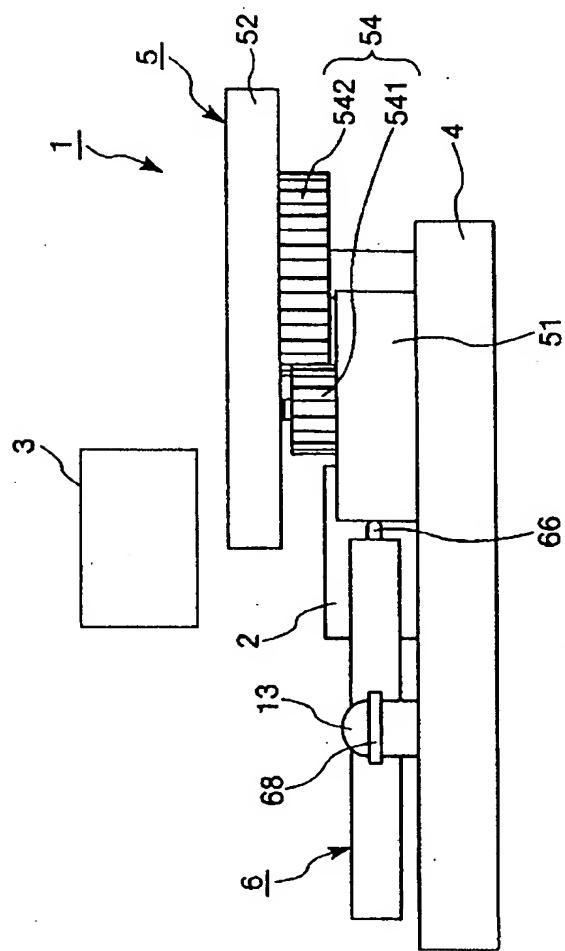


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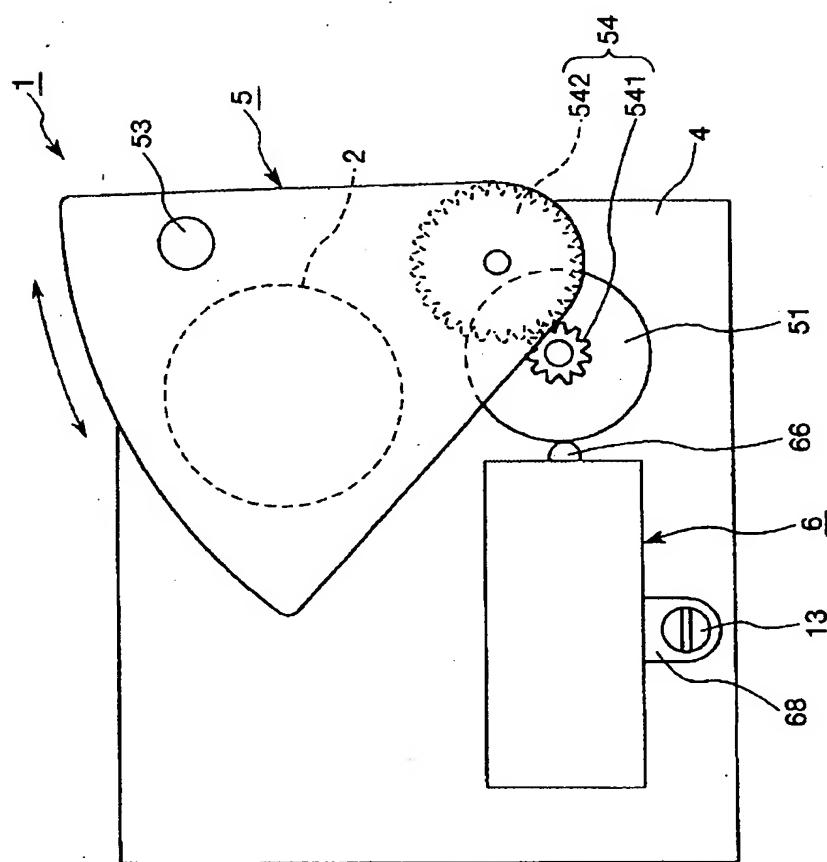


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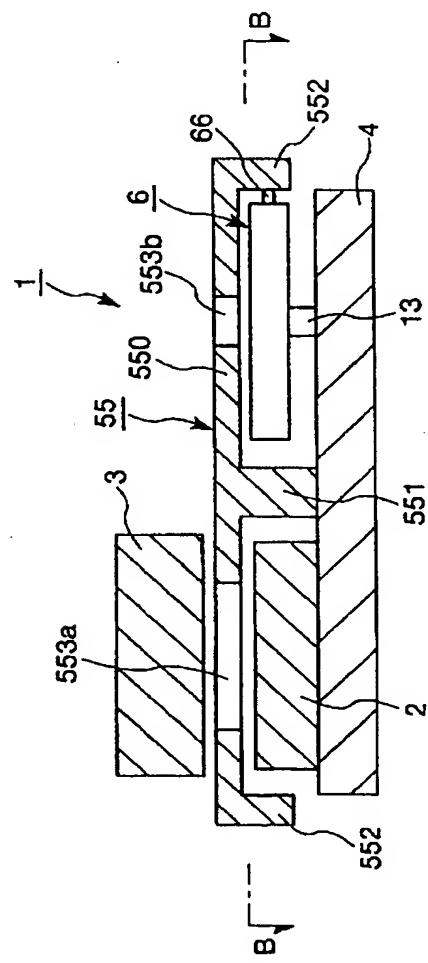


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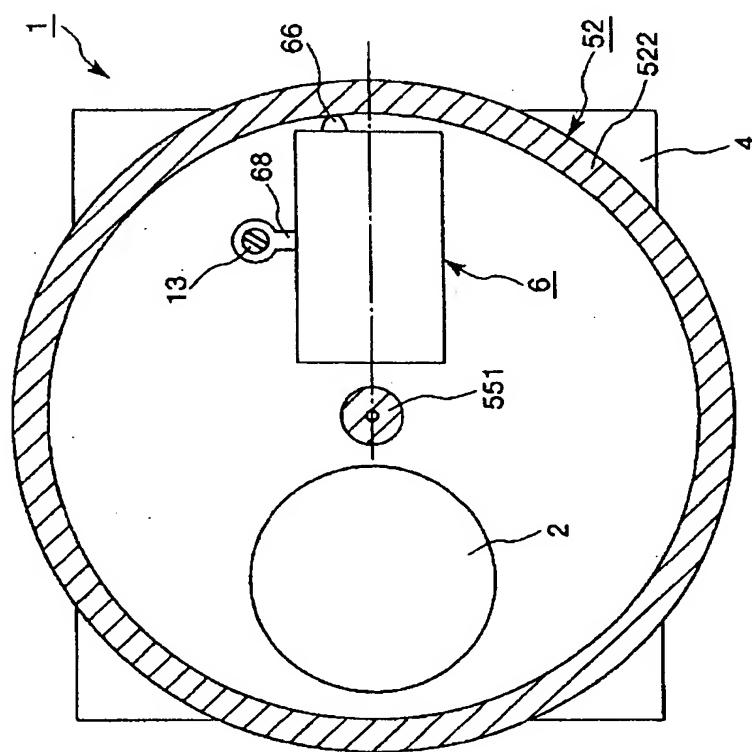


Fig. 33

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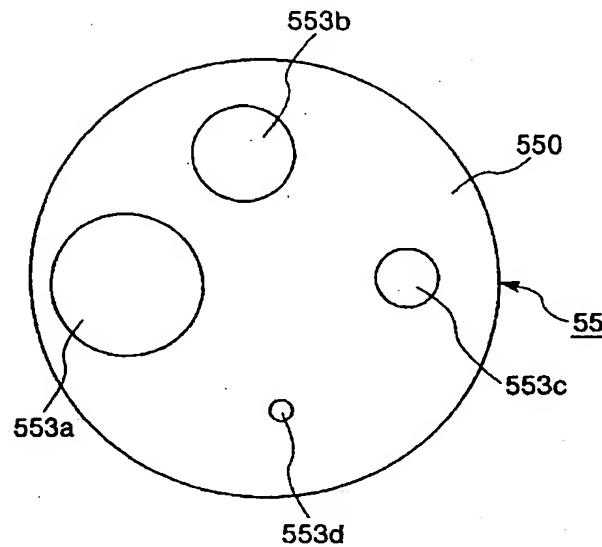


Fig. 34

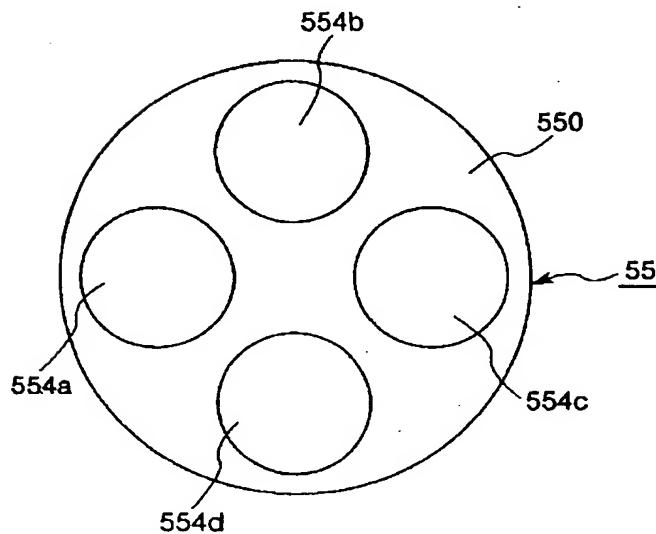


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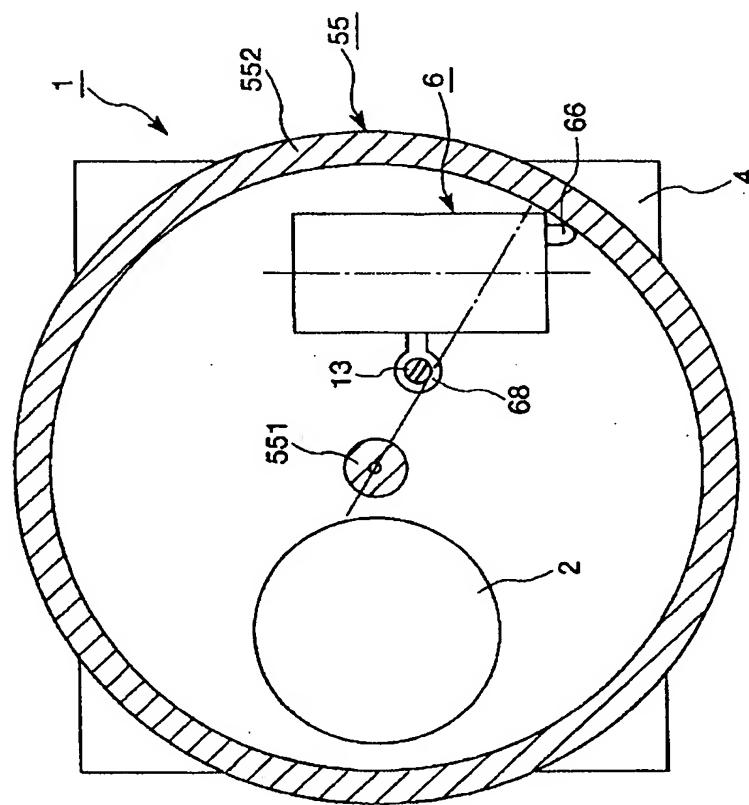


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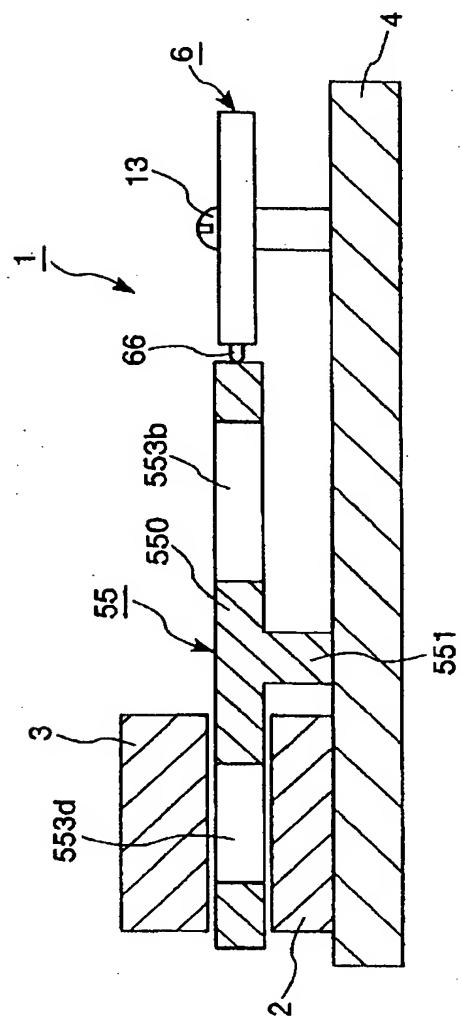


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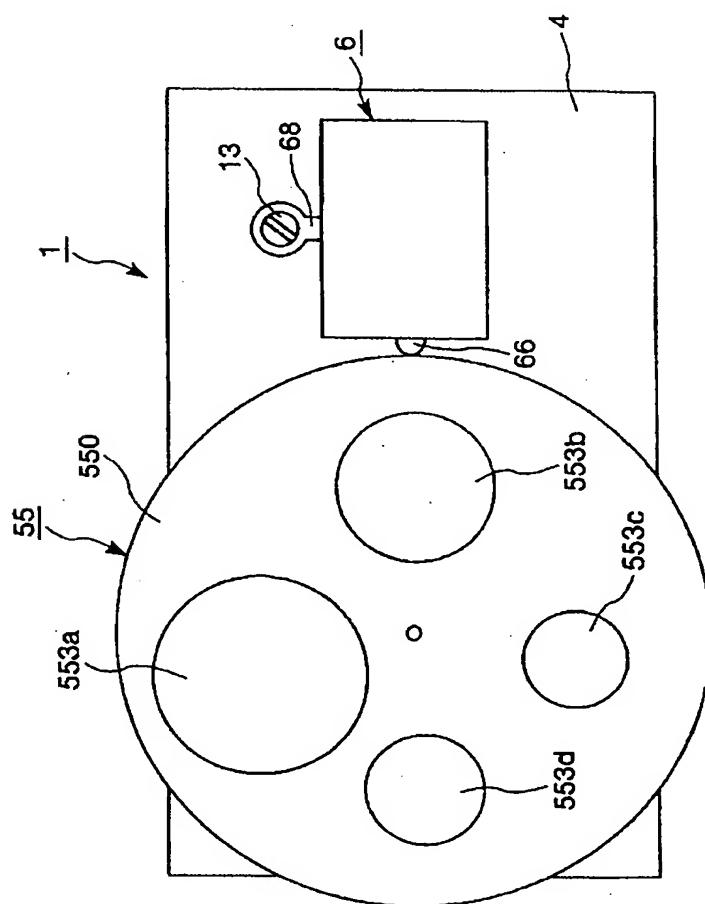


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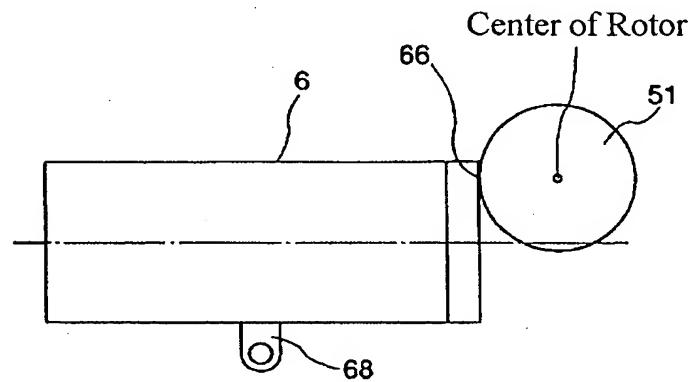


Fig. 39

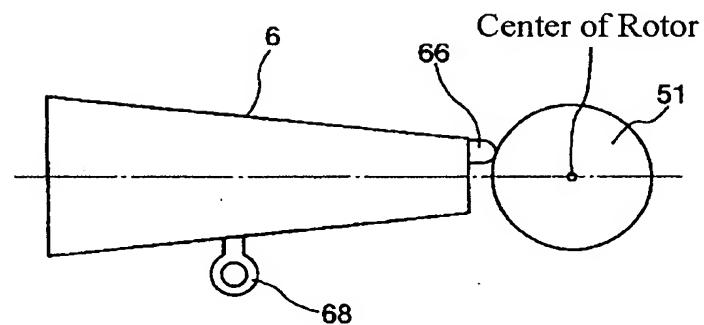


Fig. 40